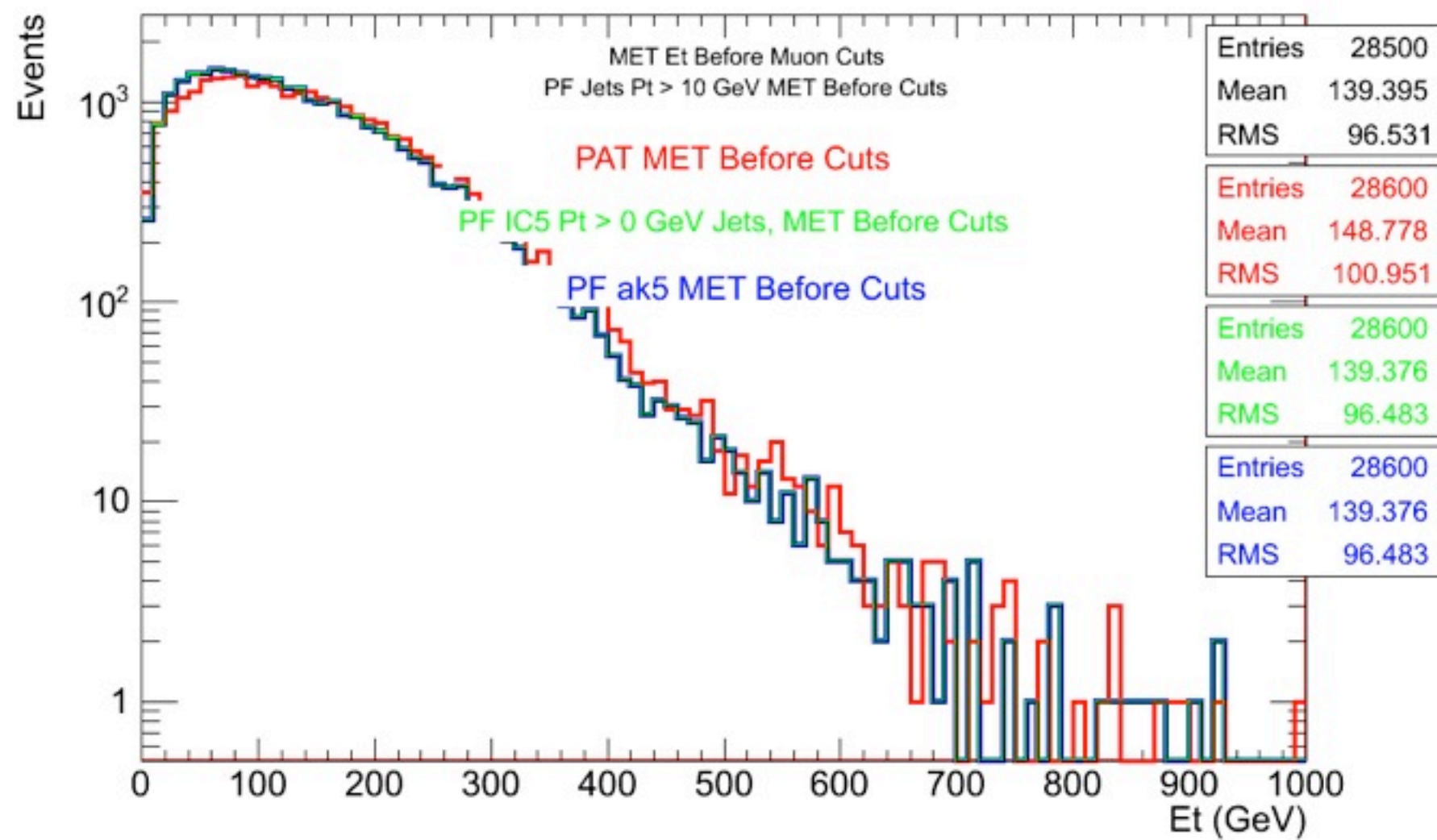
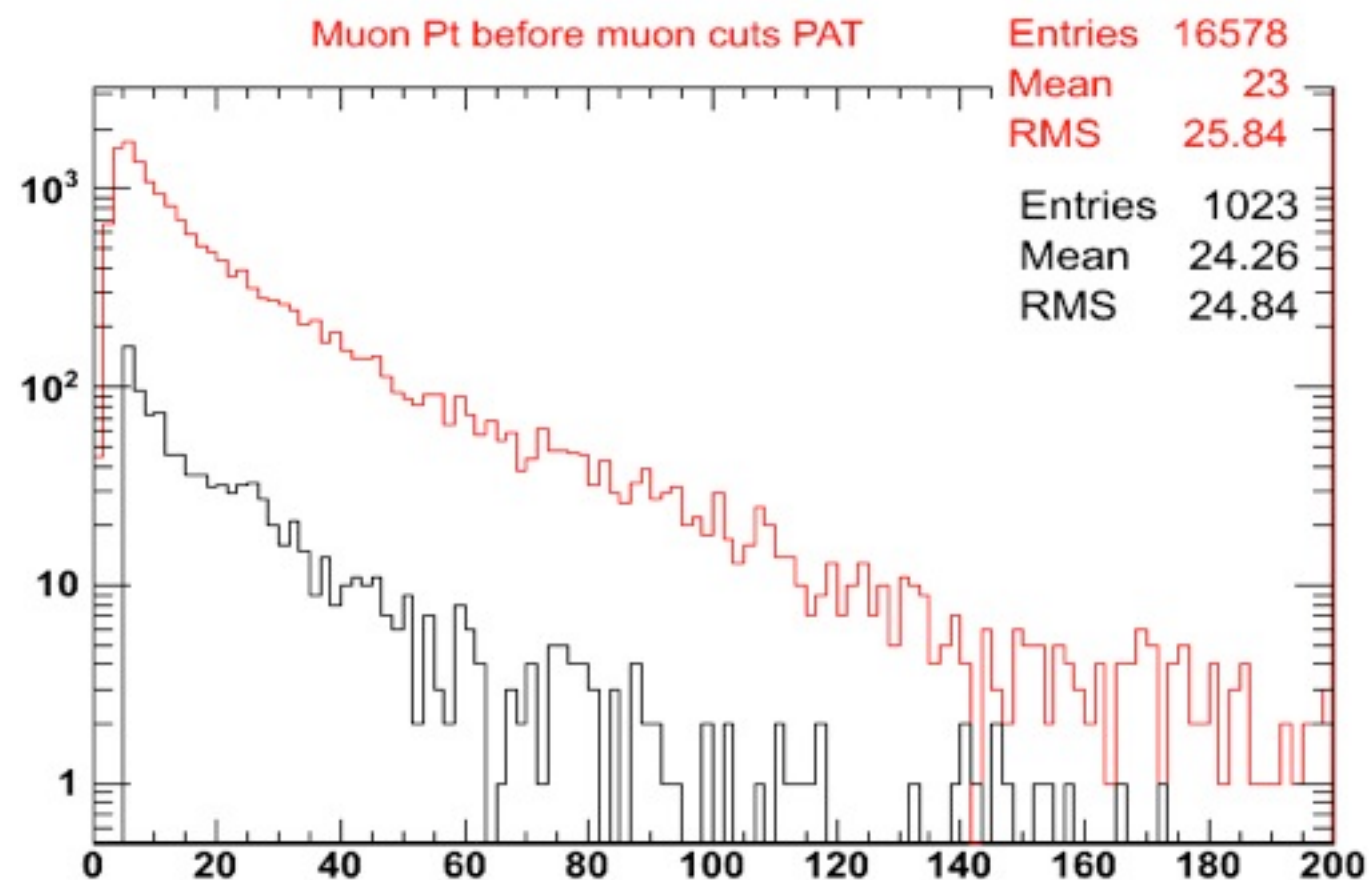
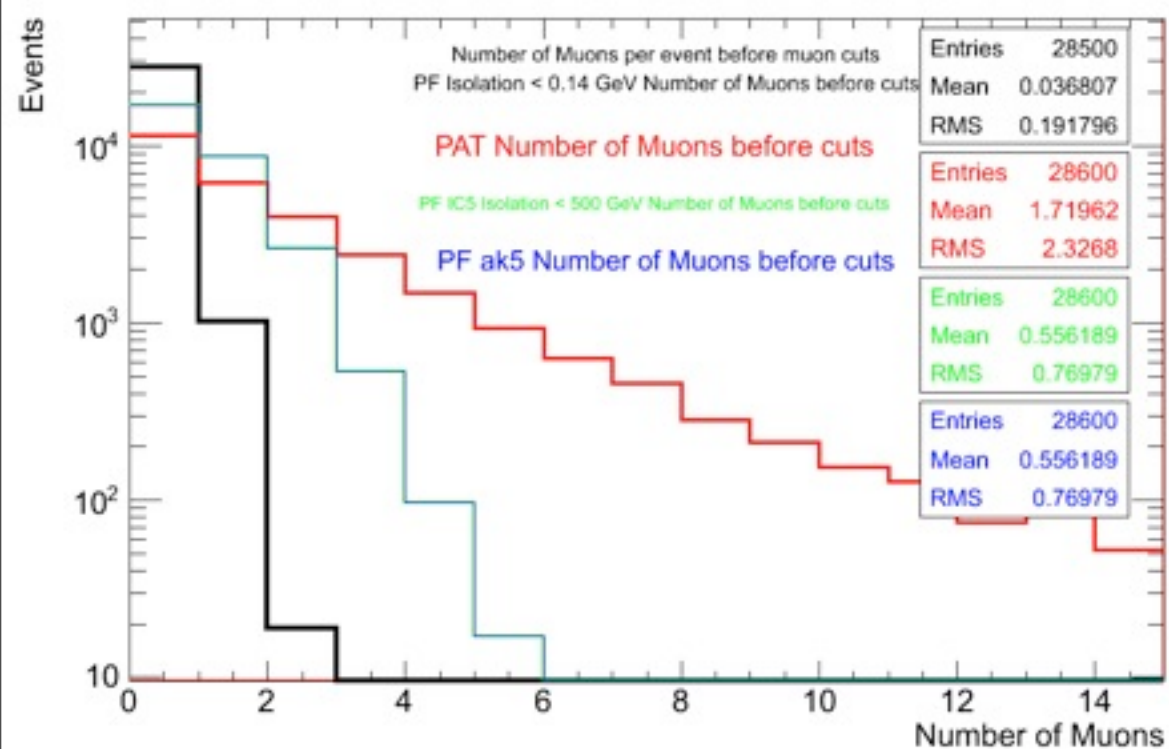


- First 4 slides show physics objects compared between PF and PAT, PF using IC5 and ak5, and changing the pt Jet threshold and muon isolation parameter
- Second set of 5 slides , event display of one event with 10 muons in normal PAT ntuple with PF ntuple

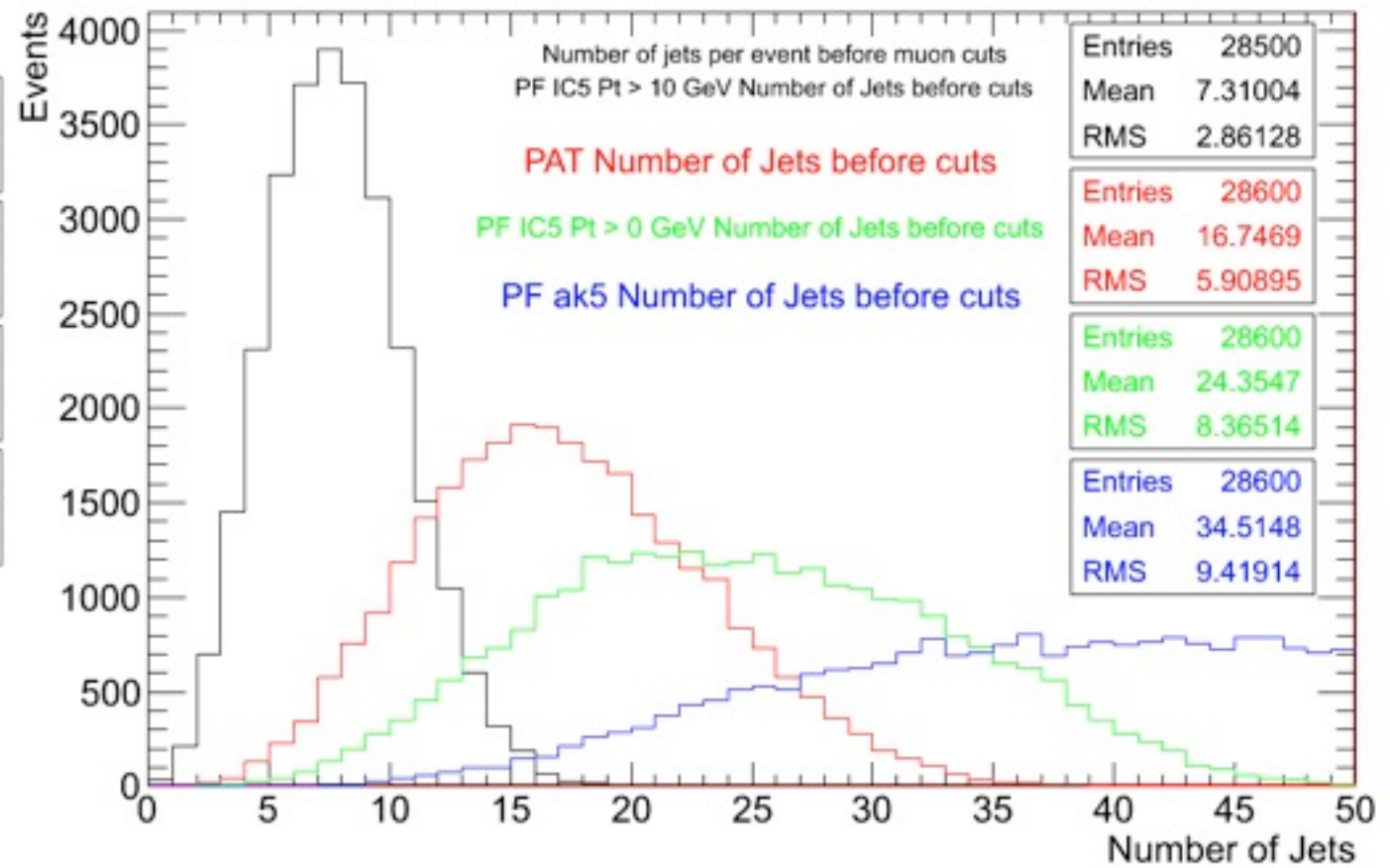
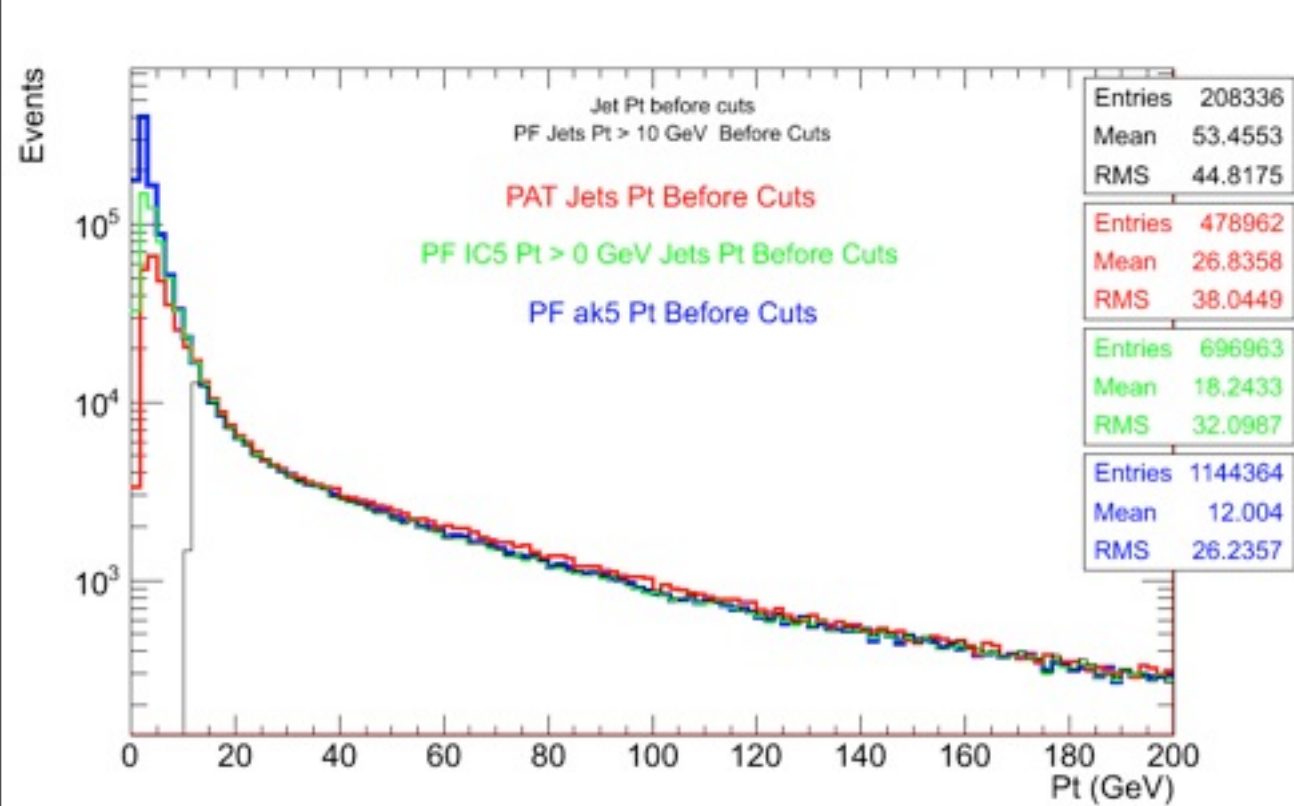
# MET



# Muon



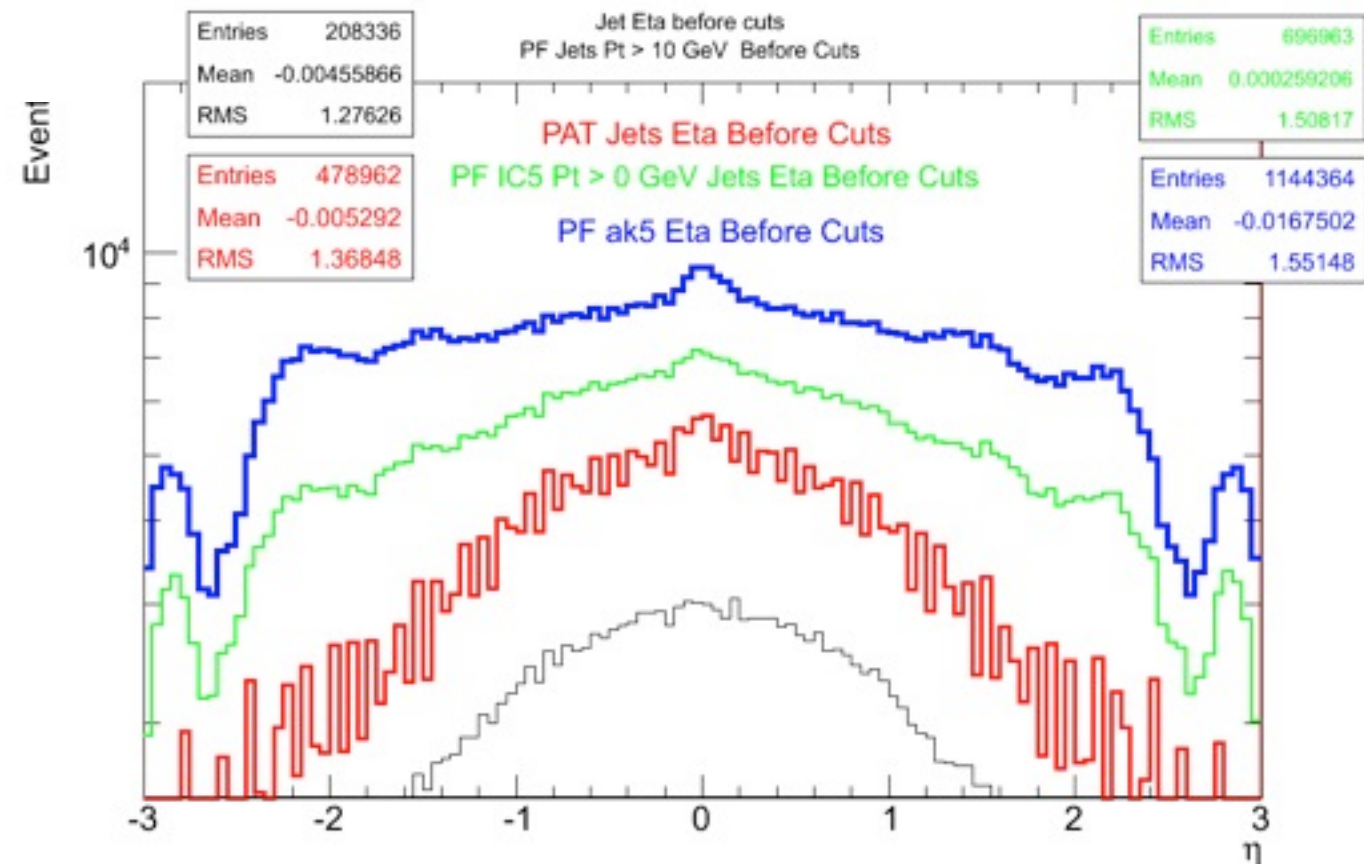
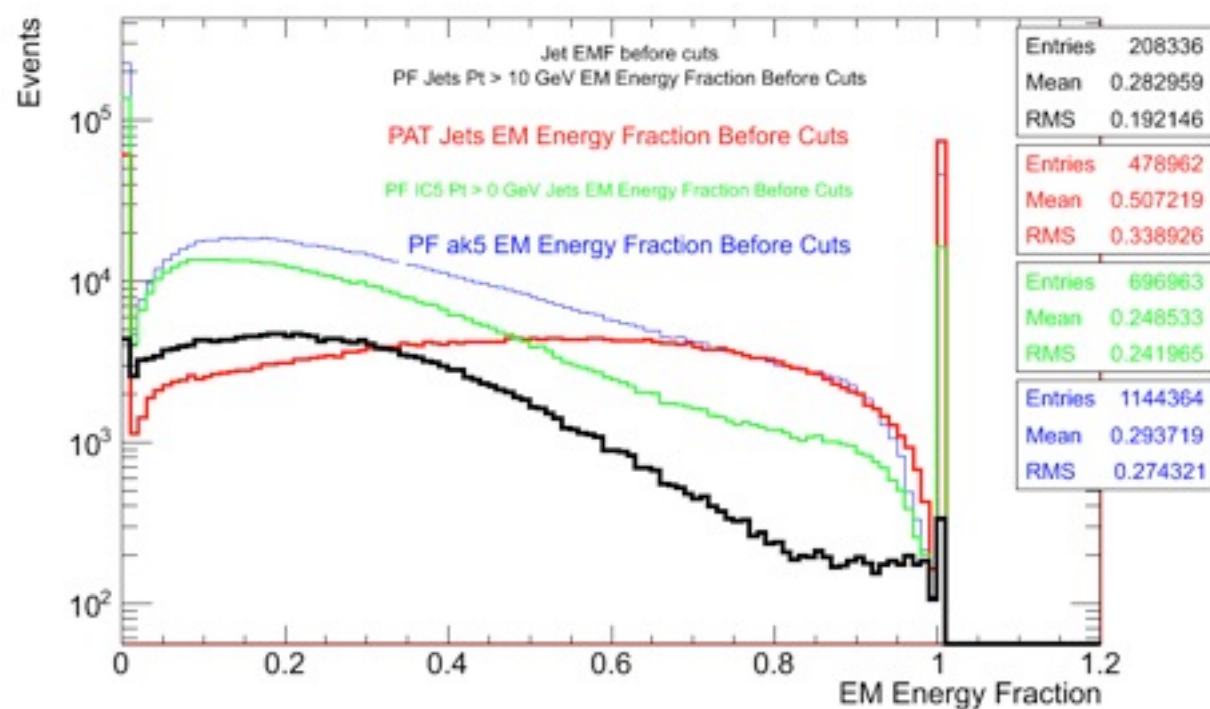
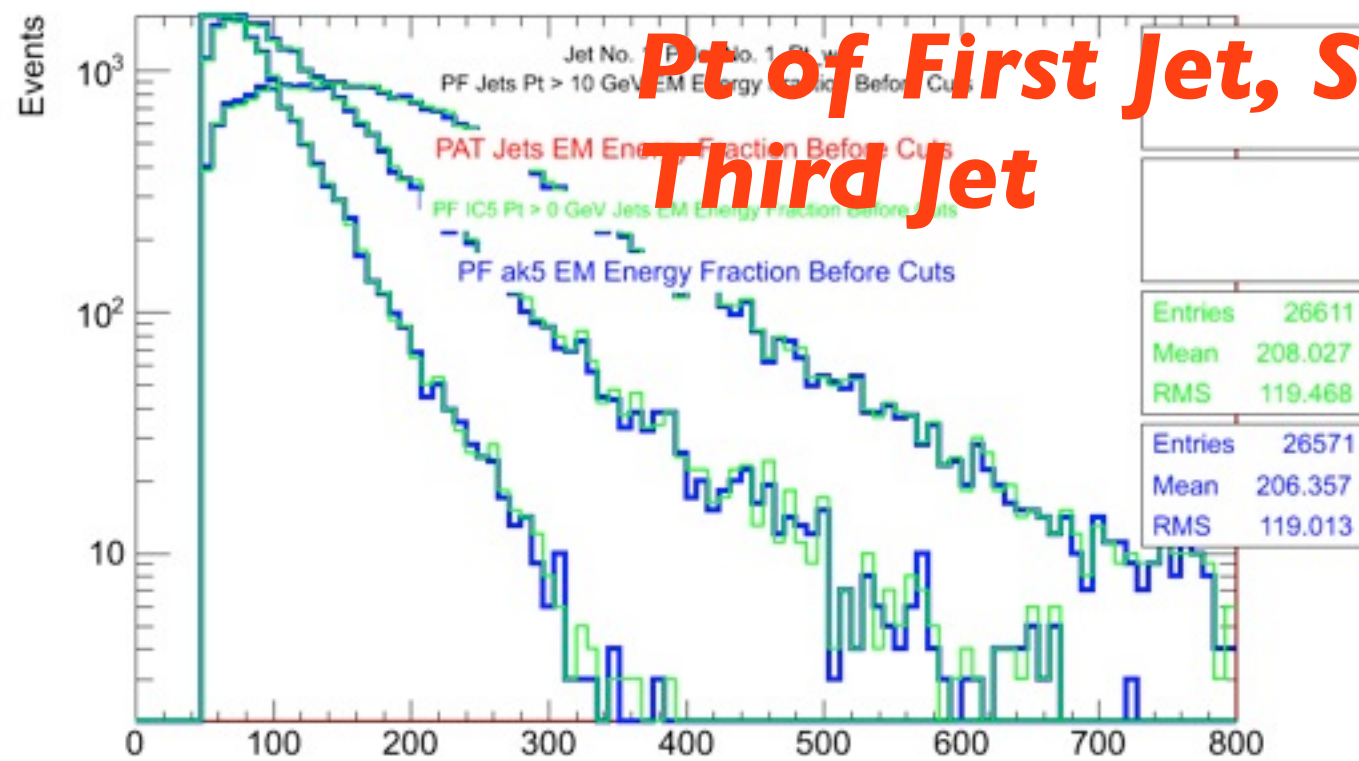
# Jets





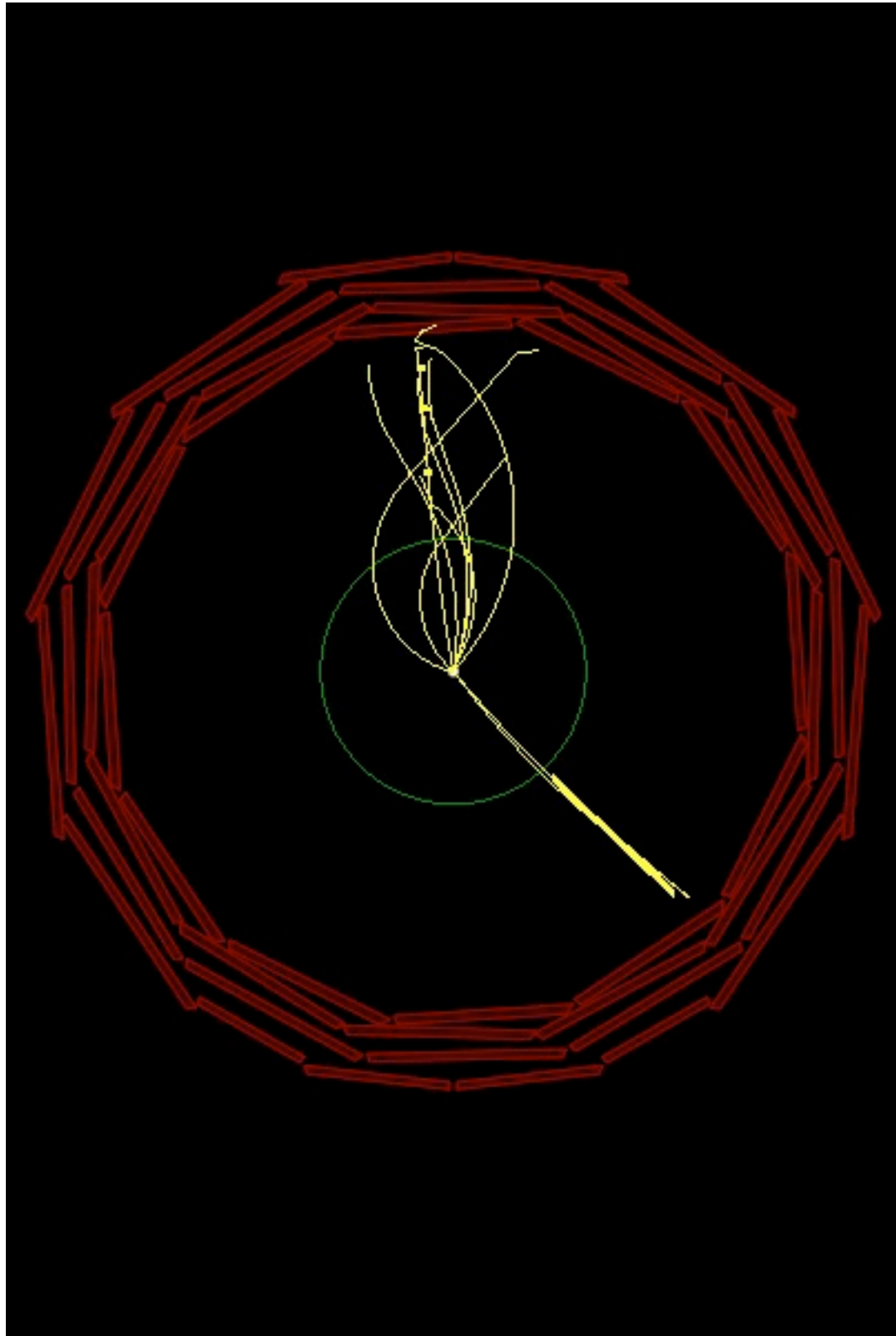
# Jets Eta

## Pt of First Jet, Second Jet and Third Jet

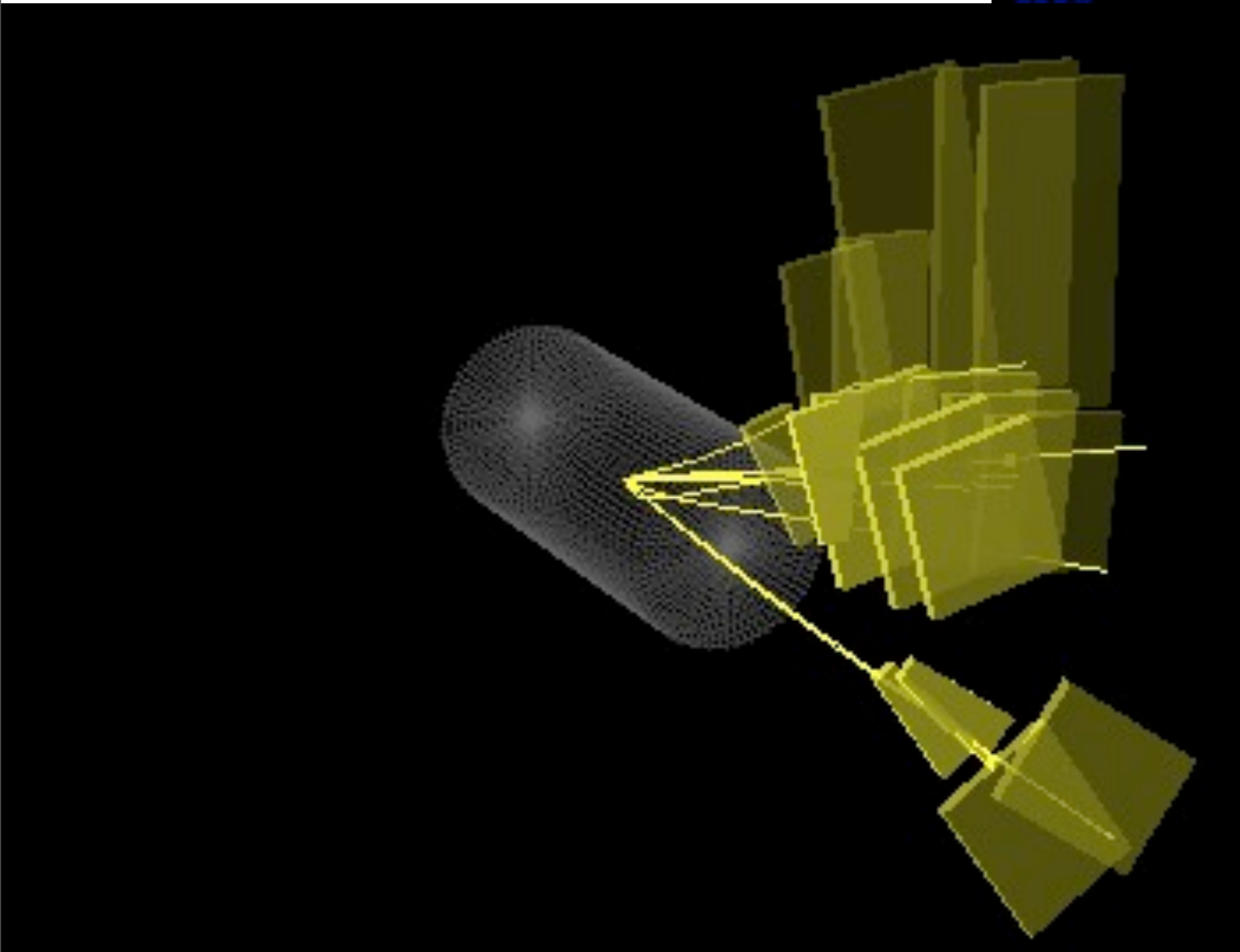
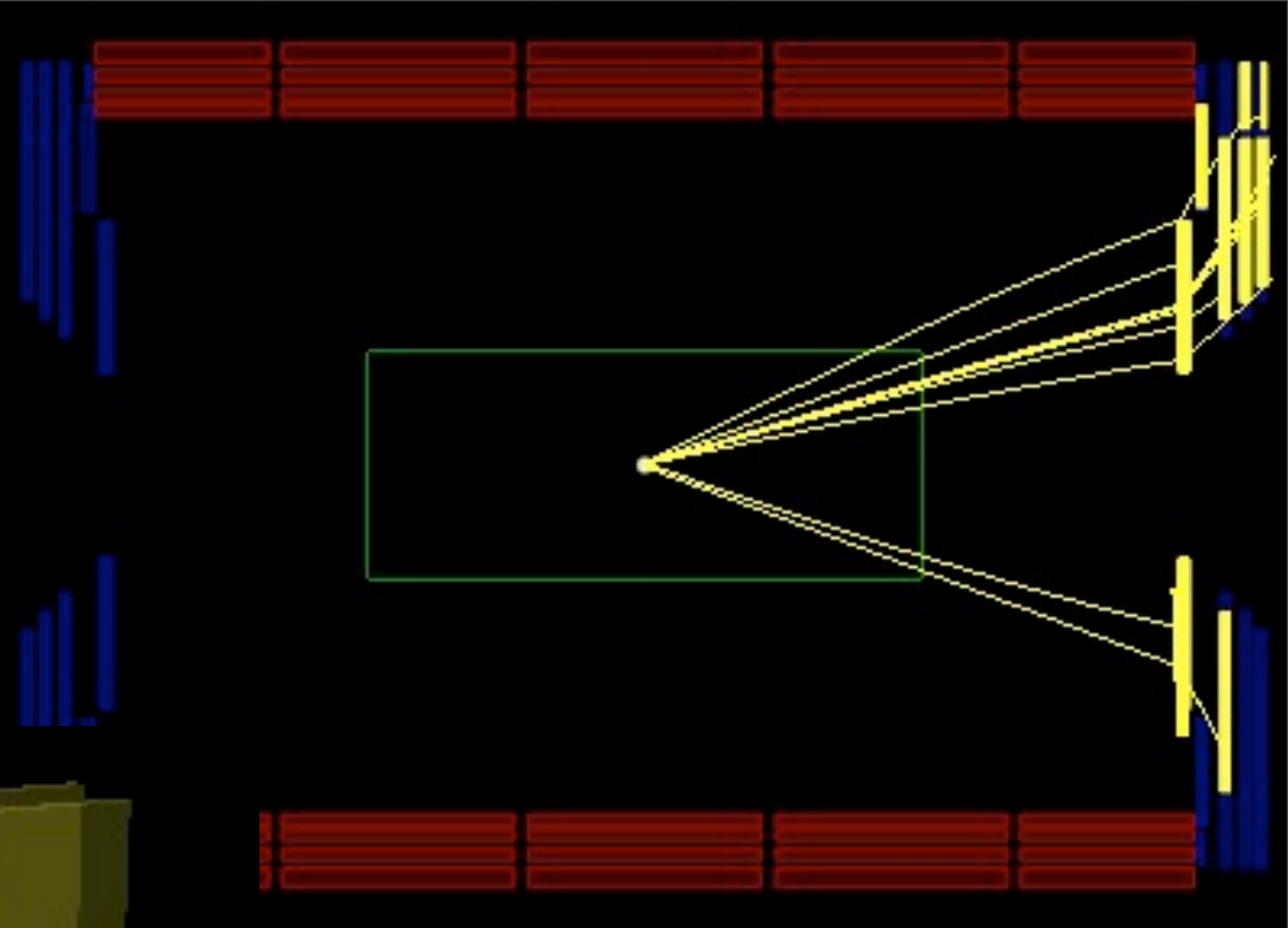


Event with 10 Muons in  
PAT and only 1 in PF

# Event with 10 muons in PAT

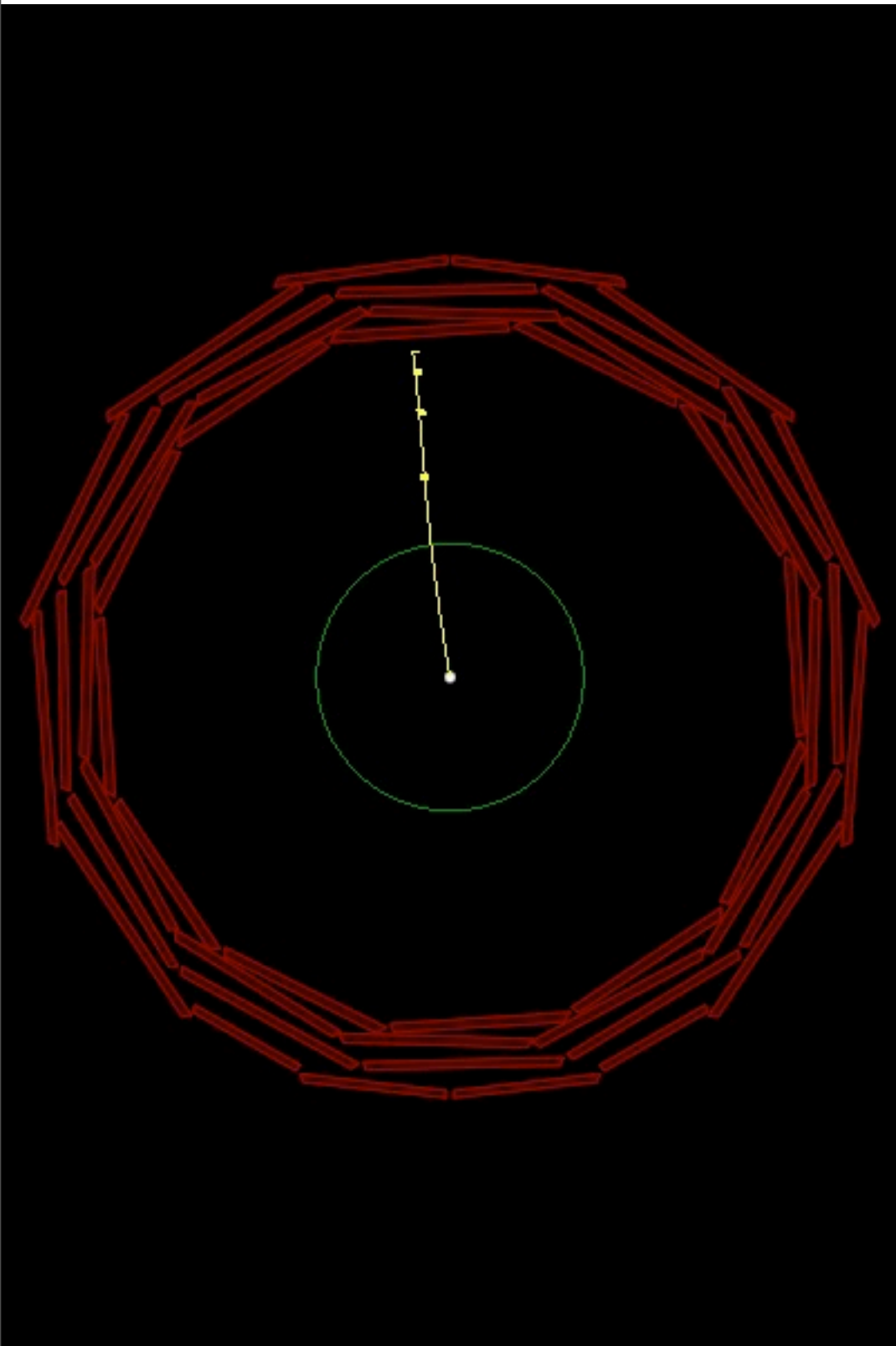


Pt	global	track	SA	calo	tr pt	eta	phi	match es	d0	d0/ d0err	charg e
20.1	TRUE	TRUE	TRUE	FALSE	20.1	1.926	1.746	4	0.065	11.12	1
13.7	FALSE	TRUE	FALSE	FALSE	13.7	1.706	-0.875	1	-0.031	-5.192	-1
8.8	FALSE	TRUE	FALSE	FALSE	8.8	1.703	-0.933	1	-0.223	-18.23	-1
3.0	FALSE	TRUE	FALSE	FALSE	3.0	1.908	1.430	3	0.032	2.563	-1
2.8	FALSE	TRUE	FALSE	FALSE	2.8	1.925	1.222	3	0.055	4.369	-1
2.7	FALSE	TRUE	FALSE	FALSE	2.7	1.960	1.247	3	0.038	2.872	-1
2.5	FALSE	TRUE	FALSE	FALSE	2.5	1.442	0.878	1	0.039	3.119	-1
1.5	FALSE	TRUE	FALSE	FALSE	1.5	1.636	2.810	1	-0.991	-52.11	-1
1.3	FALSE	TRUE	FALSE	FALSE	1.3	1.983	0.966	2	-2.742	-15.82	-1
1.0	FALSE	TRUE	FALSE	FALSE	1.0	2.234	2.402	1	0.022	0.967	1

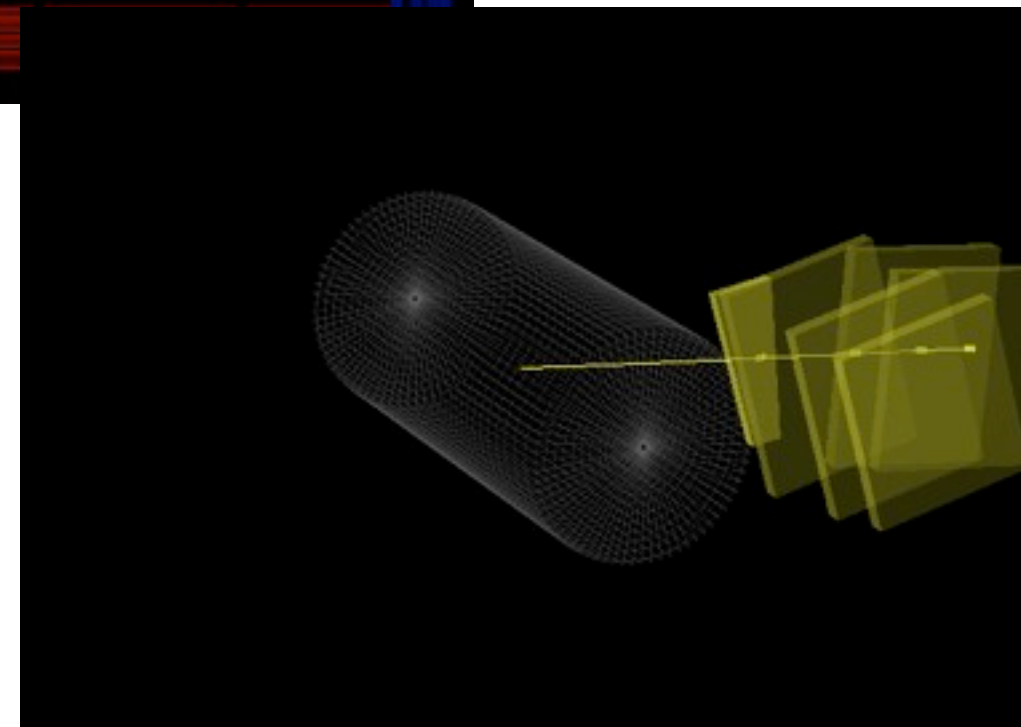
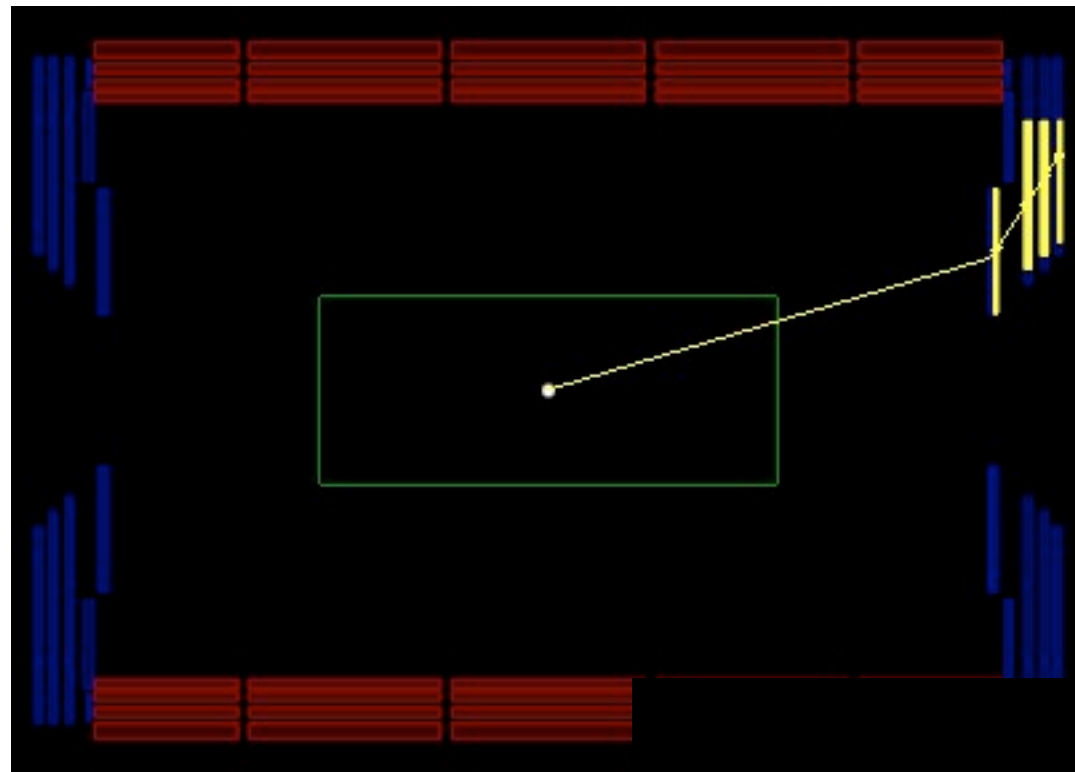




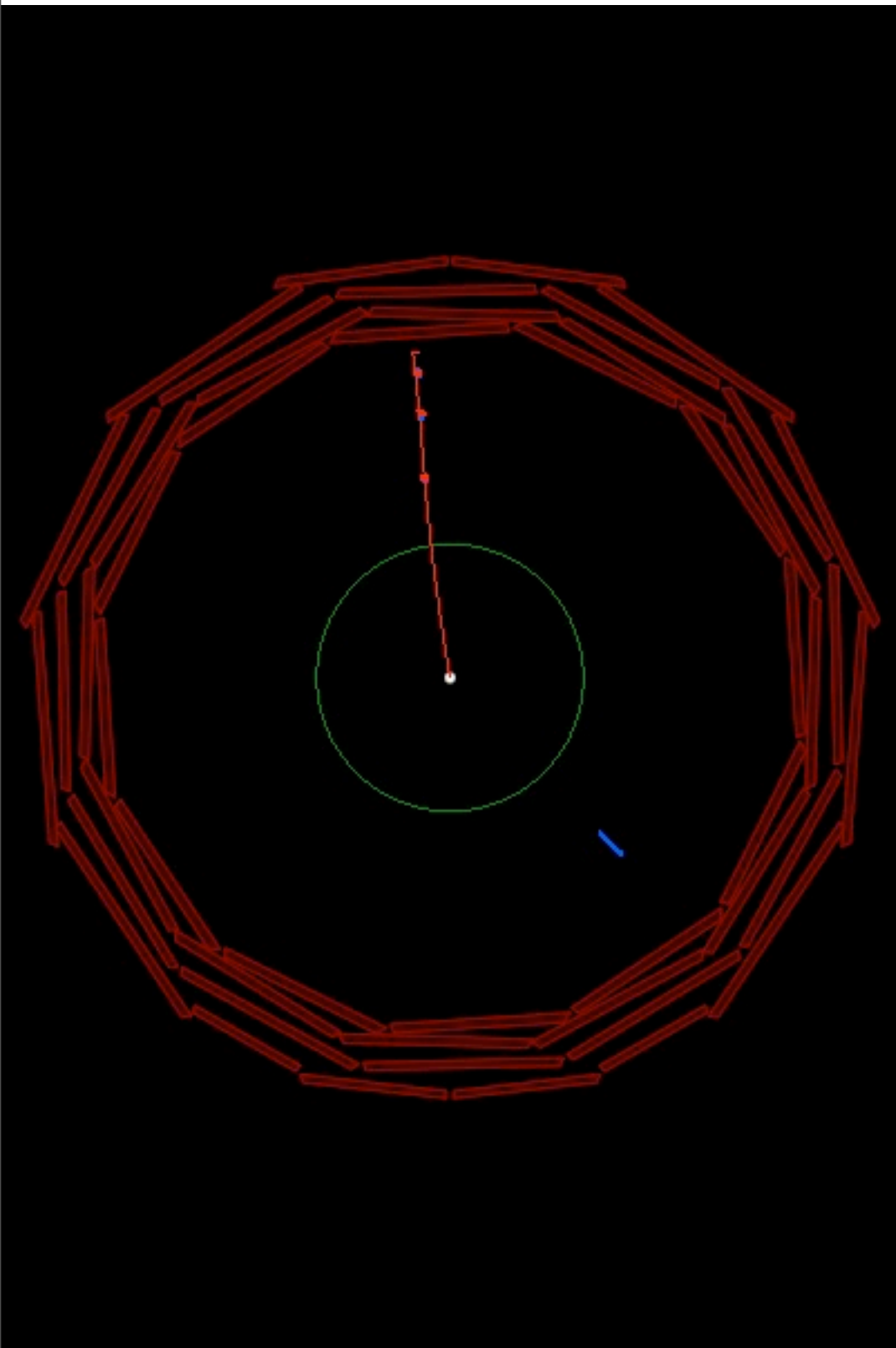
# Same Event in PF



Pt	global	track	SA	calo	tr pt	eta	phi	match es	d0	d0/ d0err	charge
20.1	TRUE	TRUE	TRUE	FALSE	20.1	1.926	1.746	4	0.065	11.121	1



# Same Event Reco Muons



Pt	global	track	SA	calo	tr pt	eta	phi	matches	d0	d0/ d0err	charge
20.1	TRUE	TRUE	TRUE	FALSE	20.1	1.926	1.746	4	0.065	11.12	1
13.7	FALSE	TRUE	FALSE	FALSE	13.7	1.706	-0.875	1	-0.031	-5.192	-1
8.8	FALSE	TRUE	FALSE	FALSE	8.8	1.703	-0.933	1	-0.223	-18.23	-1
3.0	FALSE	TRUE	FALSE	FALSE	3.0	1.908	1.430	3	0.032	2.563	-1
2.8	FALSE	TRUE	FALSE	FALSE	2.8	1.925	1.222	3	0.055	4.369	-1
2.7	FALSE	TRUE	FALSE	FALSE	2.7	1.960	1.247	3	0.038	2.872	-1
2.5	FALSE	TRUE	FALSE	FALSE	2.5	1.442	0.878	1	0.039	3.119	-1
1.5	FALSE	TRUE	FALSE	FALSE	1.5	1.636	2.810	1	-0.991	-52.11	-1
1.3	FALSE	TRUE	FALSE	FALSE	1.3	1.983	0.966	2	-2.742	-15.82	-1
1.0	FALSE	TRUE	FALSE	FALSE	1.0	2.234	2.402	1	0.022	0.967	1

